

### **Amendments to the Specification:**

*Please amend the numbered paragraph 0090, as shown below:*

The controller 150 generally comprises a regulator 160, a battery over voltage model 170, and a battery under voltage model 180. The controller 150 may have inputs that receive signals (i.e., commands, requests, etc.) related to (i.e., corresponding to, representative of, etc.)  $P^*_{aux}$ , SOC,  $P_{loss}$ ,  $\omega_{eng}$ ,  $T^*_{dr}$ , and  $\omega_{mot}$  (e.g., from the electric machine 108 via the vehicle drivetrain 114). The VSC 150 may have outputs that present (i.e., send, transmit, etc.) signals related to  $T^*_{gen}$  (e.g., to the generator 106), On/Off Ctrl (e.g., to the engine 102),  $T^*_{eng}$  (e.g., to the engine 102),  $T^*_{mot}$  (e.g., to the electric machine 108). The models 170 and 180 are generally implemented in memory (e.g., random access memory (RAM), read only memory (ROM), EPROM, EEPROM, flash, etc.) in the controller 150.